

Converting Colors

CIELCh(75, 39.771, 232.081)

Have a look what the booklet for
CIELCh(75, 39.771, 232.081)
contains.

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Color

CIELCh(75, 39.718, 231.646)

Conversions

Conversions Part 1

Format	Color
Hex	31C8F1
RGB	49, 200, 241
RGB Percent	19%, 78%, 95%
CMY	0.8082, 0.2159, 0.0551
CMYK	0.80, 0.17, 0.00, 0.06
HSL	193°, 87%, 57%
HSV	193°, 80%, 94%
XYZ	37.7693, 48.2781, 90.4987
YIQ	159.5250, -103.1570, -19.2610

Conversions

Conversions Part 2

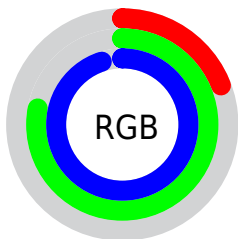
Format	Color
R_{YB}	49, 134, 241
Decimal	3262705
CIE _{Lab}	75.00, -24.65, -31.15
CIE _{LCh}	75, 39.718, 231.646
Yxy	48.2781, 0.2139, 0.2735
Android (android.graphics.Color)	4281452785 (0xFF31C8F1)
YUV	159.5250, 40.1672, -96.9304
Hunter-Lab	69.4824, -24.5651, -28.5856

Details

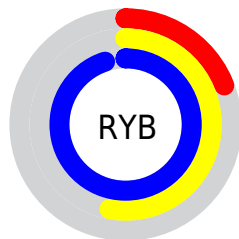
The CIELCh color **75, 39.718, 231.646** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **58, 76.965, 43.158**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **56, 34.735, 237.921** is the 20% darker color. If you saturate the color by 10%, you get **73, 41.370, 235.093**, and if you desaturate by 10%, it is **77, 37.307, 228.853**.

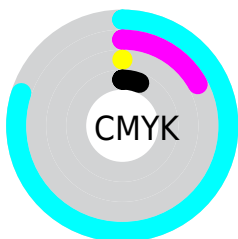
Distribution



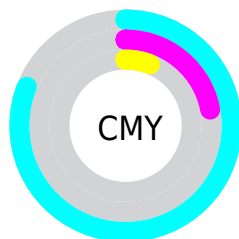
- Red (19%)
- Green (78%)
- Blue (95%)



- Red (19%)
- Yellow (53%)
- Blue (95%)



- Cyan (80%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)





- Cyan (81%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 39.718, 231.646 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 75, 39.718, 231.646 by changing the saturation by 10% instead.

 75, 39.718,
231.646


 75, 39.718,
231.646


 100, 39.718,
231.646

 65, 39.718,
231.646


 95, 39.718,
231.646

 55, 39.718,
231.646

 45, 39.718,
231.646

 35, 39.718,
231.646

 25, 39.718,
231.646

 15, 39.718,
231.646

 5, 39.718, 231.646

0, 39.718, 231.646

75, 39.718,
231.646

75, 39.718,
231.646

73, 41.370,
235.093

77, 37.307,
228.853

72, 42.492,
239.145

79, 34.059,
226.646

72, 42.525,
239.266

81, 29.974,
224.935

84, 25.108,
223.632

87, 19.552,
222.660

89, 13.411,
221.956

 92, 6.791, 221.486

 95, 0.209, 38.068

 97, 4.108, 60.387

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75, 39.718, 231.646



58, 76.965, 43.158

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 39.718, 231.646



75, 39.718, 281.646



75, 39.718, 51.646



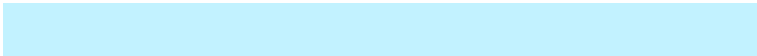
75, 39.718, 101.646

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75, 39.717, 231.646



93, 16.868, 222.234



84, 95.692, 141.552



48, 11.447, 222.495



0, 0.000, 0.000



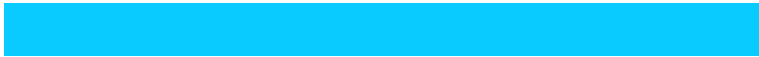
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 39.717, 231.646



76, 43.977, 237.730



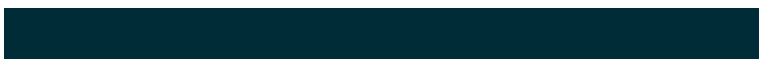
49, 78.431, 291.979



49, 3.962, 221.479



56, 34.597, 238.475



16, 14.893, 232.013

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57, 89.504, 336.946



58, 97.604, 338.758



78, 71.317, 82.578



47, 7.421, 331.575



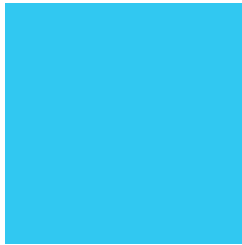
41, 76.563, 338.983



9, 34.167, 337.183

Previews

White Background



This preview shows how the CIELCh color 75, 39.718, 231.646 looks on a white background.

Color Contrast Check

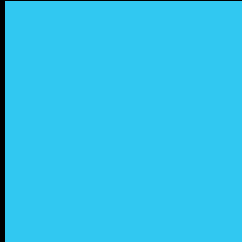
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 39.718, 231.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 39.718, 231.646

Background



This preview shows how black text looks on a background with the CIELCh color 75, 39.718, 231.646.

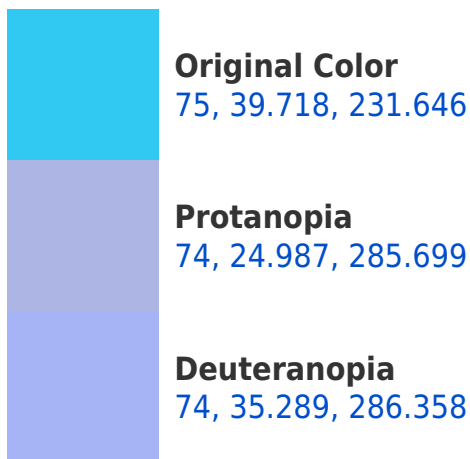


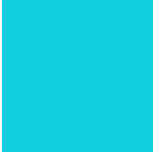
This preview shows how white text looks on a background with the CIELCh color 75, 39.718, 231.646.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
75, 40.323, 209.226

Trichromacy



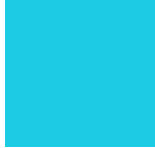
Original Color
75, 39.718, 231.646



Protanomaly
74, 29.195, 253.875



Deuteranomaly
74, 34.950, 261.581



Tritanomaly
75, 39.678, 217.041

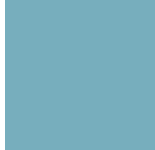
Monochromacy



Original Color
75, 39.718, 231.646



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 19.488, 223.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 39.718, 231.646 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(49, 200, 241)` looks like.

```
.text, #text, p{  
    color:rgb(49, 200, 241)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(49, 200, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 200, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 39.718, 231.646 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 200, 241) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(49, 200, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(49, 200, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 200, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 200, 241);  
box-shadow:4px 4px 4px 4px rgb(49, 200,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 39.718, 231.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 200, 241) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(49, 200,  
241) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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